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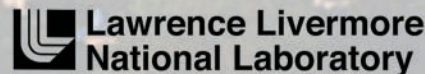
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USNCCM7

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USNCCM7
SEVENTH U.S. NATIONAL CONGRESS
ON COMPUTATIONAL MECHANICS
JULY 27-31, 2002

Announcement and Call for Participation

SEVENTH U.S. NATIONAL CONGRESS ON COMPUTATIONAL MECHANICS

July 28 – 30, 2003

Pre & Post-Congress Short Courses
July 27 & 31, 2003

Albuquerque Convention Center
Albuquerque, New Mexico



Biennial Congress of the U.S. Association
for Computational Mechanics,
an affiliate of the
International Association for
Computational Mechanics

Hosted by

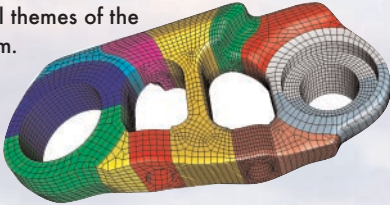


Sandia National Laboratories

ATTEND THE US CONGRESS



The Seventh U.S. National Congress on Computational Mechanics (USNCCM7) will be held in Albuquerque, New Mexico, and hosted by Sandia National Laboratories. The Congress technical program will feature a broad array of topics ranging from advances in nanotechnology and bioengineering to numerical methods, multi-physics problems in science and engineering, and high-performance computing. The technical program will be highlighted by a series of nine plenary lectures that focus on new directions in computational mechanics. Pre and post-conference short courses have been selected to complement the topical themes of the core technical program. Vendor exhibits and a cyber café are also planned. More on USNCCM7 can be found at:



www.esc.sandia.gov/usnccm.html



LOCATION

The USNCCM7 will be held at the Albuquerque Convention Center, conveniently located in the city center and in close proximity to the Albuquerque International Sunport

PLENARY LECTURES

We are pleased to announce the plenary speakers for USNCCM7. They will focus on new directions in Computational Mechanics.

Farid Abraham	IBM Almaden Research Center
Thomas Bickel	Sandia National Laboratories
Leszek Demkowicz	University of Texas at Austin
Greg Hulbert	University of Michigan
David Keyes	Old Dominion University
Robert Moser	University of Illinois
Alan Needleman	Brown University
Roger Owen	University of Wales, Swansea
Charles Taylor	Stanford University

IMPORTANT DATES - 2003

Deadline for early registration	June 26
Cut-off for USNCCM7 hotel room rates	June 26
USNCCM7 Technical Program	July 28-30
Pre and post-conference short courses	July 27 & 31

CONGRESS REGISTRATION FEES



	Before June 26	After June 26
Participant:	\$375	\$475
Student:	\$100	\$130

The participant fee includes one set of electronic proceedings, the banquet, the reception, all breaks and a 2-year membership in USACM and IACM (\$50 value). The student fee includes one set of electronic proceedings, the banquet, the reception and all breaks.

ACCOMMODATIONS

Blocks of rooms are available at the DoubleTree Hotel (connected to the Convention Center) and at the Hyatt Regency Hotel (directly across the street from the Convention Center) and La Posada de Albuquerque (one block from Convention Center). The special room rates for the USNCCM7 are:

Single Occupancy:	\$110.00 plus tax
Double Occupancy:	\$119.00 plus tax

Reservations (by June 26, 2003):

DoubleTree Hotel	(505) 247-3344
Hyatt Regency Hotel	(505) 842-1234 or (800) 233-1234
La Posada de Albuquerque	(505) 242-9090

 **Mention "USACM 2003" for the conference rate.**

OFFICIAL AIRLINE TO USNCCM7

Southwest Airlines is the official airline of the USNCCM7. Save up to 10% on airline tickets. You may use an authorized Travel Agency or call directly: 1-800-433-5368. Reference the ID Code J7572 and reference the event as 7th US National Congress on Computational Mechanics, airport code ABQ. Special rates apply from July 22 - August 4, 2003.

ACCOMPANYING PERSONS PROGRAM

A tour for accompanying persons is available on Tuesday, July 29, 2003. The tour option begins at the Sandia Peak Tram, continues to the Indian Cultural Center, and ends at the historic Old Town area for shopping. You will board a coach at 12:30 pm and be returned to the Albuquerque Convention Center at 5:30 pm in time for the awards banquet. Price per person: \$38 plus tax and gratuity.

Hot air balloon rides by Rainbow Ryders are also available July 26- August 2, 2003.

Visit our website for details
www.esc.sandia.gov/usnccm.html



MINISYMPOSIA TOPICS



A collection of more than 60 topical minisymposia forms the backbone of the Congress's technical program. Each minisymposium consists of one or more technical sessions comprised of keynote presentations and regular conference papers. Topics include, but are not limited to:

- Hydrodynamic simulation methods • Biomechanics • Manufacturing process simulation • Meshfree methods • Nanotechnology • Validation and verification • Mechanics of materials • Advances in flow simulation and modeling • Discontinuous Galerkin methods • Turbulence simulation • Contact/impact algorithms • Stabilized and multiscale finite element methods • A-posteriori error estimates and h-p methods • Biofluidics • Multiphysics simulations • Geomechanics and geotechnical engineering • Wave propagation • Optimization • Free and moving boundaries • Unstructured meshing

For a complete listing of the USNCCM7 minisymposia, visit
<http://usnccm.sandia.gov/mslist/mslist.lasso>

CONGRESS SHORT COURSES

The USNCCM7 will feature several pre and post-conference short courses that have been selected to complement the topical themes of the core technical program. The short courses provide USNCCM7 attendees the opportunity to learn from and interact with leading experts on current topics in computational mechanics. Each short course will be presented in a one-day format on Sunday, July 27 and Thursday, July 31, 2003.

- Mesh Generation Steve Owen, John Chawner, Mark Shephard
- Discontinuous Galerkin Methods Bernardo Cockburn, Joseph Flaherty
- Verification & Validation William Oberkampf
- Verification of Codes Patrick Knupp
- Multiscale Multiphysics Jacob Fish

For more information on short courses visit:
<http://www.esc.sandia.gov/USshtcourse.html>



REGISTRATION FORM



REGISTER ONLINE AT
<http://www.esc.sandia.gov/USregistrationinfo.html>

First Name _____
Last Name _____
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City _____ State/Province _____
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Fax _____

Registration Fees:

Before June 26, 2003:

Regular rate	\$375
Student rate	\$100

After June 26, 2003:

Regular rate	\$475
Students rate	\$130
V&V short course	\$200
Meshing short course	\$175
Discontinuous Galerkin Methods short course	\$200
Code Verification short course	\$175
Multiscale Multiphysics short course	\$150
Additional tickets to reception/banquet	\$50
Accompanying Persons Tour per person	\$38
# of Tour Guests _____	\$ _____

TOTAL CHARGES: \$ _____

Name(s) Tour Guest(s): _____

Registration fees include conference proceedings, welcome reception on July 27, continental breakfasts and breaks, and dinner banquet on July 29

Fees may be paid by check or credit card (VISA, MC, American Express). Attach conference registration form.

Make Checks Payable to: (must be drawn on US currency)
Sandia National Laboratories

Mail checks to: USNCCM7,
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